

CLAIMS MODIFIED AFTER IPER REPORT

1. A method for molding a lens of noncircular shape adapted to a wearer's prescription and to the shape of the frame chosen by the wearer, comprising the steps of :
 - supplying a first mold (2) which is substantially in the shape of the lens to be obtained and trimming the first mold (2) ;
 - supplying a second mold (6) and trimming the second mold (6) ;
 - molding and curing a setting material (4) between the first mold and a second mold (6) ;
 - removing the lens obtained from the mold.
2. The method as claimed in claim 1, characterized in that the curing step is a step of partial curing, and in that it also comprises a step of total curing of the lens.
3. The method as claimed in claim 1 or 2, characterized in that the step of molding and curing comprises a step of assembling the molds followed by a curing step.
4. The method as claimed in claim 2 or 3, characterized in that the partial curing step lasts less than 3 minutes.
5. The method as claimed in claim 2, 3 or 4, characterized in that the total curing step lasts between 5 and 30 minutes.
6. The method as claimed in claim 5, characterized in that it involves a step of removing mold-positioning devices after the partial curing step and before the total curing step.
7. The method as claimed in claim 5 or 6, characterized in that the partial curing step comprises an irradiation of the setting material (4) preferably by irradiation from only one side of the assembly of the first and second molds.

8. The method as claimed in claim 5, 6 or 7, characterized in that the total curing step comprises an irradiation of the setting material (4), preferably by irradiation from both sides of the assembly of the first and second molds.

5 9. The method as claimed in one of claims 5, 6 and 7, characterized in that the total curing step comprises the heating of the setting material.

10 10. The method as claimed in one of claims 1 to 9, characterized in that the demolding step comprises the application of a thermal shock to the assembly of the first and second molds.

11. The method as claimed in one of claims 1 to 10, characterized in that it involves a step of supplying a second mold (6) in the shape of the lens to be obtained.

15 12. The method as claimed in one of claims 1 to 11, characterized in that the lens is an ophthalmic lens.

20 13. The method as claimed in one of claims 1 to 12, characterized in that the step of molding and curing comprises a step of assembling molds followed by a curing step, the mold-assembling step comprises the adjustment of the position of the molds such that they are in contact at one point on the periphery of the first mold (2), or such that they are 1 mm or less away from the periphery of the first mold (2).

25 14. A lens obtained according to the method of one of claims 1 to 13.

15. An untrimmed molded lens of noncircular shape.

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